

1-14-02  
FILED

2. (Amended) The method according to claim 1, wherein said information relating to at least one property of the wireless communication device is transmitted from said wireless communication device (MS1-MS4) to the mobile communication network in connection with registration of said wireless communication device (MS1-MS4) to the mobile communication network (PLMN).

3. (Twice Amended) The method according to claim 1, wherein said information relating to at least one property of the wireless communication device is transmitted from said wireless communication device (MS1-MS4) to the mobile communication network prior to a call being set-up with said wireless communication device (MS1-MS4).

B1  
COPY

4. (Amended) The method according to claim 3, wherein the information relating to at least one property of the wireless communication device is checked to determine if it is appropriate for the type of call during call set-up with said wireless communication device (MS1-MS4), and wherein a call is not established if the information relating to at least one property of the wireless communication device is not appropriate for the type of call.

5. (Twice Amended) The method according to claim 1, wherein said information relating to at least one property of the wireless communication device is transmitted from said wireless communication device (MS1-MS4) to the mobile communication network in connection with a handover.

6. (Twice Amended) The method according to claim 1, wherein the information relating to at least one property of the wireless communication device is transmitted to a mobile services switching center (MSC1) of the mobile communication network (PLMN), or a serving GPRS support node (SGSN).

7. (Twice Amended) The method according to claim 1, in which method an International Mobile Station Equipment Identity (IMEI) is defined for said wireless communication device (MS1-MS4), and wherein the information relating to at least one property of the wireless communication device is stored in the International Mobile Station Identity (IMEI).

8. (Amended) The method according to claim 7, wherein the International Mobile Station Equipment Identity (IMEI) comprises at least one field for storing the information relating to at least one property of the wireless communication device, and the length of said field is fixed.

9. (Amended) The method according to claim 7, wherein the International Mobile Station Equipment Identity (IMEI) comprises at least one field for storing the information relating to at least one property of the wireless communication device, and the length of said field is variable.

10. (Twice Amended) The method according to claim 7, wherein the International Mobile Station Equipment Identity (IMEI) is divided into a non-modifiable part and a modifiable part, and at least part of the information relating to at least one property of the wireless communication device is stored in said modifiable part.

11. (Twice Amended) The method according to claim 7, wherein the International Mobile Station Equipment Identity (IMEI) is stored in connection with manufacturing of the wireless communication device (MS1-MS4).

12. (Twice Amended) The method according to claim 7, wherein the International Mobil Station Equipment Identity (IMEI) is updated in connection with a change in the properties of the wireless communication device (MS1-MS4).

13. (Twice Amended) The method according to claim 1, wherein the information relating to at least one property of the wireless communication device transmitted from said wireless communication device (MS1-MS4) is stored at least in the mobile services switching center (MSC1) of the mobile communication network (PLMN).

14. (Twice Amended) The method according to claim 1, wherein the information relating to at least one property of the wireless communication device is stored temporarily in the mobile communication network (PLMN).

15. (Twice Amended) The method according to claim 1, wherein the wireless communication device (MS1-MS4, S3) comprises a mobile phone.

16. (Twice Amended) The method according to claim 1, wherein the wireless communication device (MS1-MS4) comprises a Communicator.

17. (Twice Amended) The method according to claim 1, wherein the wireless communication device (MS1-MS4) comprises a radio card.

18. (Twice Amended) The method according to claim 1, wherein the information relating to at least one property of the wireless communication device contains information about at least one hardware property of the wireless communication device (MS1-MS4).

19. (Twice Amended) The method according to claim 1, wherein the information relating to at least one property of the wireless communication device contains information about at least one software property of the wireless communication device (MS1-MS4).

20. (Twice Amended) The method according to claim 1, wherein information relating to at least one property of the wireless communication device contains information about at least one

preference of the user of the wireless communication device (MS1-MS4).

21. (Twice Amended) The method according to claim 1, wherein modification of the information relating to at least one property of the wireless communication device by the user of the wireless communication device (MS1-MS4) is prevented.

22. (Twice Amended) The method according to claim 1, further comprising steps for establishing a call for transmitting information from a first communication device (MS1-MS4) to a second communication device (MS1-MS4, S1, S2), wherein said second communication device is a wireless communication device (MS1-MS4), and the information is optimized for use by the second communication device, by using the information relating to at least one property of the second wireless communication device.

23. (Twice Amended) The method according to claim 1, further comprising steps for performing communication between the mobile communication network (PLMN) and another communication device (MS1-MS4, S1, S2), wherein information relating to at least one property of the wireless communication device is transmitted to said another communication device (MS1-MS4, S1, S2).

24. (Twice Amended) The method according to claim 1, further comprising steps for performing communication between the mobile communication network (PLMN) and another communication network (PSTN, PDN), wherein information relating to at least one property of the wireless communication device is transmitted to said another communication network (PSTN, PDN).

25. (Amended) The method according to claim 1, wherein information is transmitted from a first communication device (MS1) to a second communication device (MS2), and wherein said second communication device is a wireless communication device (MS1-MS4),

and information to be transmitted is converted into a format suitable for the second wireless communication device (MS2) in the first communication device (MS1).

26. (Amended) The method according to claim 1, wherein information is transmitted from a first communication device (MS1) to a second communication device (MS2), and wherein said second communication device is a wireless communication device (MS1-MS4), and information to be transmitted is converted into a format suitable for the second wireless communication device (MS2) in the mobile communication network (PLMN).

27. (Amended) A wireless communication device (MS1-MS4) comprising:

means (5,9) for storing information for identifying said wireless communication device (MS1-MS4) in the mobile communication network (PLMN) in the mobile communication device (MS1-MS4);

means (5,12) for transmitting said information for identifying said wireless communication device (MS1-MS4) from the wireless communication device (MS1-MS4) to the mobile communication network (PLMN);

means (5,9) for storing information relating to at least one property of the wireless communication device (MS1-MS4), and

means (5, 12) for transmitting said information relating to at least one property of the wireless communication device from the wireless communication device (MS1-MS4) to said mobile communication network (PLMN),

wherein an information element for storing said

information for identifying said wireless communication device and said information relating to at least one property of the wireless communication device (MS1-MS4) is formed in the wireless communication device (MS1-MS4).

28. (Amended) The wireless communication device (MS1-MS4) according to claim 27, further comprising means (ANT, 12) for transmitting said information relating to at least one property of the wireless communication device to the mobile communication network in connection with registration of said wireless communication device (MS1-MS) to the mobile communication network (PLMN).

29. (Twice Amended) The wireless communication device (MS1-MS4) according to claim 27, further comprising means (ANT, 12) for transmitting said information relating to at least one property of the wireless communication device to the mobile communication network prior to a call being set-up with said wireless communication device (MS1-MS4).

30. (Twice Amended) The wireless communication device (MS1-MS4) according to claim 27, further comprising means (ANT, 12) for transmitting said information relating to at least one property of the wireless communication device transmitted from said wireless communication device (MS1-MS4) to the mobile communication network in connection with a handover.

31. (Amended) The wireless communication device (MS1-MS4) according to claim 27 comprising an International Mobile Station Equipment Identity (IMEI), wherein the information relating to at least one property of the wireless communication device is stored in the International Mobile Station Equipment Identity (IMEI).

32. (Amended) The wireless communication device (MS1-MS4) according to claim 31, wherein the International Mobile Station

Equipment Identity (IMEI) comprises at least one field for storing the information relating to at least one property of the wireless communication device, the length of said field being fixed.

33. (Amended) The communication device (MS1-MS4) according to claim 31, wherein the International Mobile Station Equipment Identity (IMEI) comprises at least one field for storing the information relating to at least one property of the wireless communication device, said field being of a variable length.

34. (Twice Amended) The wireless communication device (MS1-MS4) according to claim 31, wherein the International Mobile Station Equipment Identity (IMEI) is divided into a non-modifiable part and a modifiable part, and at least part of the information relating to at least one property of the wireless communication device is stored in said modifiable part.

35. (Amended) The wireless communication device (MS1-MS4) according to claim 31, wherein the International Mobile Station Equipment Identity (IMEI) is stored in connection with manufacturing of the wireless communication device (MS1-MS4).

36. (Amended) The wireless communication device (MS1-MS4) according to claim 31, wherein the International Mobile Station Equipment Identity (IMEI) is updated in connection with a change in the properties of the wireless communication device (MS1-MS4).

37. (Amended) The wireless communication device (MS1-MS4) according to claims 27, wherein the device comprises a mobile phone.

38. (Amended) The wireless communication device (MS1-MS4) according to claim 27, wherein the device comprises a Communicator.

39. (Amended) The wireless communication device (MS1-MS4)

according to claim 27, wherein the device comprises a radio card.

40. (Twice Amended) The wireless communication device (MS1-MS4) according to claim 27 comprising means for transmitting information to the mobile communication network (PLMN) to be transmitted further to a second wireless communication device (MS1-MS4, S1, S2), further comprising means for converting the information to be transmitted into a format suitable for the second wireless communication device (MS1-MS4, S1, S2) based on information relating to at least one property of the wireless communication device received from said second wireless communication device.

41. (Amended) A wireless communication system comprising:

a mobile communication network (PLMN);

a wireless communication device (MS1-MS4);

means (5,9) for storing information for identifying said wireless communication device (MS1-MS4) in the mobile communication network (PLMN) in the wireless communication device (MS1-MS4);

means (5,12) for transmitting said information for identifying said wireless communication device (MS1-MS4) from the wireless communication device (MS1-MS4) to said mobile communication network (PLMN), and further comprising:

means (5,9) for storing information relating to at least one property of the wireless communication device (MS1-MS4) in the wireless communication device (MS1-MS4), and

means (5,12) for transmitting said information relating



to at least one property of the wireless communication device from the wireless communication device (MS1-MS4) to said mobile communication network (PLMN); and

wherein an information element for storing said information for identifying said wireless communication device and said information relating to at least one property of the wireless communication device (MS1-MS4) is formed in the wireless communication device (MS1-MS4).

42. (Amended) The wireless communication system according to claim 41, further comprising means (ANT, 12) for transmitting said information relating to at least one property of the wireless communication device from said wireless communication device (MS1-MS4) to the communication network (PLMN) in connection with registration of said wireless communication device (MS1-MS4) to the mobile communication network (PLMN).

43. (Twice Amended) The wireless communication system according to claim 41, further comprising means (ANT, 12) for transmitting said information relating to at least one property of the wireless communication device from said wireless communication device (MS1-MS4) to the mobile communication network (PLMN) prior to a call being set-up with said communication network (PLMN).

44. (Amended) The wireless communication system according to claim 43, further comprising means (5) for checking the information relating to at least one property of the wireless communication device to determine if it is appropriate for the call during call set-up with said wireless communication device (MS1-MS4), and wherein a call is not established if the type of information relating to at least one property of the wireless communication device is not appropriate for the type of call.

45. (Twice Amended) The wireless communication system

according to claim 41, further comprising means (ANT,12) for transmitting said information relating to at least one property of the wireless communication device from said wireless communication device (MS1-MS4) to the mobile communication network (PLMN) in connection with a handover.

46. (Twice Amended) The wireless communication system according to claim 41, wherein said means (5,9) for storing the information relating to at least one property of the wireless communication device comprises an International Mobile Station Equipment Identity (IMEI).

47. (Twice Amended) The wireless communication system according to claim 41, wherein the mobile communication network (PLMN) comprises means (MSC1) for storing the information relating to at least one property of the wireless communication device received from said wireless communication device (MS1-MS4).

48. (Amended) The wireless communication system according to claim 47, comprising a mobile services switching center (MSC1), wherein the information relating to at least one property of the wireless communication device is stored in said mobile services switching center (MSC1).

49. (Twice Amended) The wireless communication system according to claim 47, comprising a register (GR) and wherein the information relating to at least one property of the wireless communication device is stored in said register (GR).

50. (Amended) The wireless Communication system according to claim 41, further comprising means for communication between the mobile communication network (PLMN) and another communication device (MS1-MS4, S1, S2), and wherein the mobile communication network (PLMN) comprises means (MSC) for transmitting the information relating to at least one property of the wireless

communication device to said another communication device (MS1-MS4, S1, S2).

51. (Twice Amended) The wireless Communication system according to claim 41, further comprising means for communication between the mobile communication network (PLMN) and another communication network (PSTN, PDN), and wherein the mobile communication network [PLMN] comprises means (MSC1) for transmitting the information relating to at least one property of the wireless communication device to said another communication network (PSTN,PDN).

52. (Amended) The wireless Communication system according to claim 41, further comprising means for establishing a call for communication between the wireless communication device (MS1-MS4) and another communication device (MS1-MS4, S1, S2), wherein the communication is optimized by using the information relating to at least one property of the wireless communication device.

53. (Amended) The wireless Communication system according to claim 41, further comprising means for establishing a call for transmitting and receiving information between the wireless communication device (MS1-MS4) and another communication device (MS1-MS4, S1, S2), and wherein the information is optimized for use by the receiving communication device, by using the information relating to at least one property of the wireless communication device.

54. (Amended) The wireless communication system according to claim 41 comprising means for transmitting information from a first wireless communication device (MS1-MS4) to a second wireless communication device (MS1-MS4), and wherein the first wireless communication device (MS1) comprises means for converting the information be transmitted into a format suitable for the second wireless communication device (MS1-MS4).